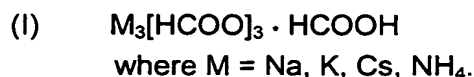


We claim:

1. A coated preparation comprising

5 at least one hydroformate of the general formula (I)



- 10 2. A preparation as claimed in claim 1 wherein the hydroformate is trisodium hydroformate.
3. A preparation as claimed in one of the preceding claims, wherein the preparation comprises further constituents and/or additives and/or supports.
- 15 4. A preparation as claimed in one of the preceding claims, wherein the coating material is at least one compound which is selected from the group consisting of
- a) polyalkylene glycols, in particular polyethylene glycols, having a number-average molecular weight of from about 400 to 15 000, for example from 20 400 to 10 000;
 - b) poly(alkylene oxide) polymers or copolymers having a number-average molecular weight of from about 4000 to 20 000, in particular block copolymers of polyoxyethylene and polyoxypropylene;
 - c) substituted polystyrenes, maleic acid derivatives and also styrene-maleic acid copolymers;
 - 25 d) polyvinylpyrrolidones having a number-average molecular weight of from about 7000 to 1 000 000;
 - e) vinylpyrrolidone/vinyl acetate copolymers having a number-average molecular weight of from about 30 000 to 100 000;
 - 30 f) poly(vinyl alcohol) having a number-average molecular weight of from about 10 000 to 200 000, poly(vinyl phthalate)s;
 - g) hydroxypropylmethylcellulose having a number-average molecular weight of from about 6000 to 80 000;
 - h) alkyl (meth)acrylate polymers and copolymers having a number-average molecular weight of from about 100 000 to 1 000 000, in particular ethyl acrylate/methyl methacrylate copolymers and methacrylate/ethyl acrylate copolymers;
 - 35 i) poly(vinyl acetate) having a number-average molecular weight of from about 250 000 to 700 000, optionally stabilized with polyvinylpyrrolidone;
 - 40 j) polyalkylenes, in particular polyethylenes;
 - k) phenoxyacetic acid-formaldehyde resin;

- l) cellulose derivatives, such as ethylcellulose, ethylmethylcellulose, methylcellulose, hydroxypropylcellulose, hydroxypropylmethylcellulose, carboxymethylcellulose, cellulose acetate phthalate;
- m) animal, vegetable or synthetic fats;
- 5 n) animal, plant or synthetic waxes or chemically modified animal, plant waxes such as beeswax, candelilla wax, carnauba wax, montan ester wax and rice germ oil wax, spermaceti, lanolin, jojoba wax, sasol wax, Japan wax or Japan wax substitute;
- 10 o) animal and plant proteins, for example gelatin, gelatin derivatives, gelatin substitutes, casein, whey, keratin, soybean protein; zein and wheat protein;
- p) mono- and disaccharides, oligosaccharides, polysaccharides, for example starches, modified starches and also pectins, alginates, chitosan, carrageenans;
- 15 q) vegetable oils, for example sunflower oil, thistle oil, cottonseed oil, soybean oil, corn germ oil, olive oil, rape(seed) oil, linseed oil, coconut oil, palm kernel oil, and palm oil;
- r) synthetic or semisynthetic oils, for example medium-chain triglycerides or mineral oils;
- s) animal oils, for example herring oil, sardine oil and whale oil;
- 20 t) hardened (hydrogenated or partially hydrogenated) oils/fats, for example of the abovementioned, in particular hydrogenated palm oil, hydrogenated cottonseed oil, hydrogenated soybean oil;
- u) lacquer coatings, for example terpenes, in particular shellac, Tolu balsam, Peru balsam, sandarac and silicone resins;
- 25 v) fatty acids, not only saturated but also monounsaturated and polyunsaturated C₆- to C₂₄-carboxylic acids;
- w) silicic acids;
- x) benzoic acid and/or salts of benzoic acid and/or esters of benzoic acid and/or derivatives of benzoic acid and/or salts of benzoic acid derivatives and/or esters of benzoic acid derivatives.
- 30
- 5. A preparation as claimed in one of the preceding claims, which is a powder with a mean particle size of from 1 µm to 10,000 µm, in particular from 20 µm to 5 000 µm.
- 35
- 6. A process for preparing coated preparations as claimed in at least one of the preceding claims, which comprises
 - (i) charging at least one hydroformate, optionally with admixture of further constituents and/or additives
 - 40 (ii) coating the resultant mixture with a coating material, optionally together with further constituents.

7. A process for preparing coated preparations as claimed in at least one of the preceding claims, which comprises
- 5 (i) charging coating material, optionally with addition of further constituents, in a suitable apparatus
- (ii) adding at least one hydroformate, optionally together with further constituents and/or additives.
8. A process for preparing preparations as claimed in at least one of the preceding claims, which comprises applying the hydroformates, before the coating, to a support material.
- 10 9. A process for preparing coated preparations as claimed in at least one of the preceding claims, which comprises
- 15 (i) dispersing at least one hydroformate, optionally together with further constituents and/or additives, in melts of suitable coating materials
- (ii) finely dividing and solidifying the resultant dispersions.
- 20 10. A process for preparing coated preparations as claimed in at least one of the preceding claims, which comprises
- (i) dispersing at least one hydroformate, optionally together with further constituents and/or additives, in a coating material, in particular a lipophilic coating material
- 25 (ii) emulsifying it in an aqueous solution of a protective colloid, preferably gelatin or/and gelatin derivatives or/and gelatin substitutes with addition of one or more substances selected from the group consisting of mono-, di- or polysaccharides
- 30 (iii) and subjecting it to shaping by spraying and subsequent or simultaneous drying.
11. A process for preparing coated preparations as claimed in at least one of the preceding claims, which comprises coating at least one hydroformate by desublimating the coating material.
- 35 12. The use of a preparation as claimed in at least one of the preceding claims in premixes for animal feeds.
- 40 13. The use of a preparation as claimed in at least one of the preceding claims in feed additives and/or animal feeds, in particular for pigs, poultry and calves.

14. A process for preparing a feed and/or feed additive comprising at least one hydroformate, which comprises
 - (i) adding a preparation as claimed in one of claims 1 to 5 to a premix
 - (ii) mixing the resultant premix with the remaining constituents of the feed and/or feed additive.
15. An animal feed comprising a preparation as claimed in at least one of the preceding claims.
16. The use of the preparations as claimed in at least one of the preceding claims as performance enhancer and/or growth promoter.
17. The use of the preparations as claimed in at least one of the preceding claims as acidifier.
18. The use of the preparations as claimed in at least one of the preceding claims as preservative.
19. The use of the preparations as claimed in at least one of the preceding claims as silage additive.
20. The use of the preparations as claimed in at least one of the preceding claims in fertilizers.